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PRINCIPAL INVESTIGATOR: Lucile L. Adams-Campbell, Ph.D.

CONTRACTING ORGANIZATION: Howard University

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Dietary fat and cooking practices, such as overcooking of meats that can lead to the formation of heterocyclic amines (HAAs) and polycyclic aromatic hydrocarbons (PAHs), differ by racial groups and culture. The project is a case control study designed to assess the role of dietary fat, cholesterol, cooking practices (i.e. of fatty foods that would increase HAAs and PAHs), smoking, and alcohol consumption as risk factors for breast cancer among African-American women in Washington, DC. The primary goal of the project is to identify nonhormonal dietary risk and genetic susceptibility factors for breast cancer in African-American women.

To date a total of 74 breast cancer cases and 40 controls have completed the study. The conditional response rate is 43% for cases and 10% for controls. The refusal rate is 10% for cases and 3% for controls. A total of 62% of the breast cancer cases have been ascertained. Also, genotyping and cholesterol analysis are currently being conducted.

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#### INTRODUCTION

Dietary fat and cooking practices, such as overcooking of meats that can lead to the formation of heterocyclic amines (HAAs) and polycyclic aromatic hydrocarbons (PAHs), differ by racial groups and culture. The project initially will assess the role of dietary fat, cholesterol, cooking practices (i.e., of fatty foods that would increase HAAs and PAHs), smoking, and alcohol consumption as risk factors for breast cancer. The primary goal of the project is to identify non-hormonal dietary risk and genetic susceptibility factors for breast cancer in African-American women. Specifically, the hypotheses that these are risk factors mediated by host capacity for metabolism will be tested. The study design also will allow the testing of new hypotheses as they emerge. A case-control study of breast cancer incident cases and controls will be conducted on African-American women in Washington, D.C. Genetic variation in apolipoproteins (Apo E, Apo A, Apo B), N-acetyl transferase (NAT 1 and NAT 2), Cytochrome P<sub>450</sub> (CYPIA1), Glutathione-Stransferase M1 (GSTM1), and alcohol dehydrogease (ADH2 and ADH3) will be determined. Odds ratios and logistic regression will be used to evaluate the association of genetic polymorphisms and dietary factors as risk factors for breast cancer. Also examined will be the effect modification for known breast cancer risk factors by these genetic polymorphisms.

#### **BODY**

Task 1, Start-up phase and plan development (Month 1-4), has been completed.

#### ✓ Recruit staff

A research associate was hired and three pre-doctoral students also were assigned to assist in identifying study participants and conduct interviews. Enrollment of study participants increased due to their inclusion.

#### ✓ Develop survey instruments.

An eligibility survey has been developed to screen and identify potential cases and controls. This survey addresses specific criteria which assist in determining if a woman should be included as a study participant. (Appendix A)

A HAAs and epidemiology questionnaires have been developed and piloted among African-American women. The HAAs questionnaire is a 138-question survey designed to assess the role of dietary fat, cholesterol, cooking practices, and alcohol consumption in relation to breast cancer risk. The questions are designed to query each participant about their usual diet over the past year. In addition, several questions are asked to examine how often and how much certain foods are eaten. (Appendix B)

An eighty-questionnaire survey has been designed to examine different demographic characteristics and lifestyles. The areas addressed in the questionnaire are: general vital statistics (e.g., age, race, marital status, education, health insurance, and household income), medical history, menstrual and reproductive history, medication history, family history, tobacco history, nicotine dependence, alcohol history, and

physical activity. (Appendix C)

In addition, a standardized protocol of research guidelines and procedures has been developed for study personnel. The manual of operation describes in detail step by step procedures for each phase of the project. The areas addressed are as follows: selection process for cases and controls, study procedures, data analysis, acronym and symbol definition for specific terms used in the study, consent forms and questionnaires to be used for this study. This procedure manual was designed to assist in standardizing study procedures (e.g., recruitment, interviewing, phlebotomy, processing of biological samples and data collection).

## ✓ Obtain control lists from Health Care Finance Administration and the Department of Motor Vehicles

A Voters' Registration list has been obtained and is being used to randomly select female population-based controls. The list of controls to be recruited will be randomly generated via the computer and matched by age (within one year) and zip codes to cases. This process has been more labor intensive than originally anticipated. One problem has been the format in downloading the tape to a diskette. The list was on a 9-track tape which had to be downloaded to several diskettes using specific equipment. Once the data was on a diskette it was uploaded to Excel and formatted. In order to randomly generate a list of names the data had to be uploaded to a statistical program, (i.e., SPSS). The data is write-protected therefore, the list generated from the computer cannot be saved to a diskette. Thus, hard copies have been obtained. In addition, there are no gender or race variables in the database. Therefore, once the computer generates a list of random names, all female names must be manually identified and each individual contacted by telephone.

The Health Care Finance Administration list currently is not being used because the majority of breast cancer cases seen at Howard University Hospital (HUH) are women under the age of 40.

Task 2, Subject recruitment and data collection (Month 5-30), is currently ongoing.

#### ✓ Identify and recruit subjects into the study

During year 3, a total of 114 women have been enrolled and completed all aspects of the study (74 breast cancer cases and 40 controls). The conditional response rate is 43% for cases and 10% for controls. The refusal rate is 10% for cases and 3% for controls. A total of 591 women have been contacted to date. Below lists the specific break down of the recruitment scheme.

Recruitment Scheme for Study Participation

	<u>Cases</u>	<u>Controls</u>
Study Population Estimate	119	119
Enrolled / completed	74	40
Contacted	172	419
Ineligible	3	11
Eligible	169	408
Refused	17	14
Bad / wrong number	1	13
Disconnected number	3	5
Physician denied contact	17	
Deceased	3	
Letters returned	0	12
The pipeline to be contacted	54	324

There are approximately 64,000 names on the voters' registration list to be generated. However, as mentioned earlier, this process has been extremely labor intensive.

In the original grant the statistical calculation for the population size was 119 per group for a 1:1 matched case-control study. The sample size was based on the following parameters: alpha = 0.05, power = 0.8 and a relative risk of 2.0 for breast cancer assuming that 50% of the population would be NAT2 rapid acetylators and 50% would have hight exposure to HAAs. However, holding the other parameters constant, the goal was to get a power of 0.95. Thus resulting in a sample size of 250 per group. At the rate of accrual in conjuction with a no cost extension, we expect to at least meet the goal of 80% power resulting in 119 per group .

- Perform genotyping analysis
- Perform cholesterol analysis
- Collect epidemiological data

A total of 114 women have completed the study. Genotyping and cholesterol analysis are currently being conducted.

Task 3, Interim analysis (Month 6-33), is ongoing.

✓ Development of epidemioligical database. The genotypic data is currently being entered into a database.

**Task 4**, Final analysis, report writing, and presentation are expected to begin within the next year. These are forthcoming.

- ☐ Data analysis and manuscript preparation
- □ Communicate results in peer-reviewed journals and at scientific meetings

#### KEY RESEARCH ACCOMPLISHMENTS

#### Current

- Expansion of recruitment efforts to include recommendations from other studies and advertising
- 62% of our cases ascertained
- DNA abstractions (based on n=119)

#### **REPORTABLE OUTCOMES**

Forthcoming

#### CONCLUSIONS

In conclusion, more emphasis is being put on recruiting population-based controls. Additional strategies are being discussed to increase the number of controls without changing the recruitment strategy. The project coordinator is in continuous contact with physicians in order to increase the number of breast cancer cases enrolled in the study. Additional Physicians have been identified to recruit breast cancer cases.

#### REFERENCES

N/A

APPENDICES
Appendix A
Eligibility Survey

#### DIET, GENETIC POLYMORPHISMS AND BREAST CANCER IN AFRICAN-AMERICAN WOMEN

· Transfer

Eligibility Survey for CASES Name: Address: 1) What is your race/ethnicity? Black or African-American American Indian/Alaskan Native White Asian/Pacific Islander Latina Other: What is your date of birth: \_\_\_/\_\_/ 2) age: \_\_\_\_\_ **YES** NO Were you diagnosed with breast cancer 3) within the past 6 months? Were you born in the United States? 4) Do you live in Washington, D.C.? 5) 6) Is English your first language? If no, are you fluent in English? Do you currently live in a private 7) home or apartment? Do you have a working telephone in 8) your home?

9)	Do you feel you are physically and mentally capable of being interveiwed?	YES	
10)	Are you able to agree (consent) to participate in this particular project?		
11)	Has a doctor or other health care provider told you that you have HIV or Hepatitis B or C?		
12)	Have you ever been interviewed for this study?		
Eligib	ility Status:	of visit:/_	/

Appendix B
HAAs Questionnaire

# DIET AND CANCER IN AFRICAN-AMERICAN WOMEN FOOD FREQUENCY QUESTIONNAIRE

## HOWARD UNIVERSITY CANCER CENTER NATIONAL CANCER INSTITUTE

Respondent ID number:	
Today's date:	
Interviewer ID:	
Start time:/HR MIN	am 1 pm 2
End time:/ HR MIN	am 1 pm 2

#### **READ TO RESPONDENT:**

Thank you for participating in our study. Your participation is very important to our research.

The interview that we will conduct today will examine your usual diet over the past year. It will involve several questions about how often and how much you eat certain foods. You will use these cards and food models (SHOW CARDS AND FOOD MODELS) to help answer some of the questions. There are no right or wrong answers. Whatever you report is fine. All your answers are confidential and will be used for research purposes only. The interview will take approximately 1 hour to complete.

Do you have any questions before we begin?

Throughout this interview I will ask you how often you ate certain foods in the past year. Please respond using the categories listed on this card (SHOW CARD 1).

A. How often did you eat (FOOD) in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

											,	
	FOOD	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
1.	Raw peaches, apricots or nectarines, while in season	00	01	02	03	04	05	06	07	08	09	1/2
2.	Cantaloupe, while in season	00	01	02	03	04	05	06	07	08	09	1/8
3.	Strawberries, while in season	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)
4.	Watermelon, while in season	00	01	<b>02</b>	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)
5.	Any other fruit, while in season, like grapes, honeydew, pineapple or kiwi	00	01	02 ~	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)
6.	Bananas, <u>all</u> year round	00	01	02	03	04	05	06	07	08	09	1/2 1 1 2 2 3 3 4
7.	Apples or pears, all year round	00	01	02	03	04	05	06	07	08	09	1/2 1 1 2 2 3 3 4
8.	Oranges or tangerines, <u>all</u> year round	00	01	02	03	04	05	06	07	08	09	1/2

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
9.	Grapefruit, <u>all</u> <u>year round</u>	00	01	02	03	04	05	06	07	08	09	1/2
10.	Canned fruit like applesauce, fruit cocktail or dried fruit like raisins, all year round	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)
11.	Eggs, including egg biscuits or Egg McMuffins (not egg substitutes)	00	01	02	03	04	05	06	07	08	09	1 egg
12.	Pancakes, waffles, French toast or Pop Tarts	00	01	02	03	04	05	06	07	06	09	1 pc 1 2 pc 2 3 pc 3 4 pc 4
13.	Breakfast bars, granola bars or Power bars	00	01	02	03	04	05	06	07	08	09	1 bar

٠:

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

### B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

			A CE14/		2-3			3-4	5-6		2+	
			A FEW TIMES	1 PER		1 PER	2 PER	PER	PER	EVERY	PER	
	FOOD	NEVER	PER YR	MON	MON	WK	WK	WK	WK	DAY	DAY	PORTION SIZE EACH TIME
4.	Cooked cereals											SHOW SERVING SIZE CARD
	like oatmeal,											the amount in picture
	cream of wheat	00	01	02	03	04	05	06	07	08	09	B (1/2 c) 1
	or grits											C (1 c) 2
												D (2 c) 3
15	High-fiber											SHOW SERVING SIZE CARD
٠.	cereals like All											the amount in picture
	Bran, Raisin	00	01	02	03	04	05	06	07	08	09	B (1/2 c) 1
	Bran or Fruit-n-	· -										C (1 c) 2
	Fiber											D (2 c) 3

15a. IF RESPONSE TO FOOD ITEM 15 IS NEVER, CIRCLE 00 AND GO TO FOOD ITEM 16.

Which high-fiber cereal do you eat most often? (READ CHOICES TO RESPONDENT)

All Bran or Bran Buds,	1
Raisin Bran,	2
Fiber One, Fruit-n-Fiber, etc. or	3
Something Else?	6
DK	_

	FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
16.	Product 19, Just Right or Total cereal	00	01	02	03,	04	05	06	07	 08	09	### SHOW SERVING SIZE CARD  the amount in picture  B (1/2 c)
17.	Any other cold cereal, like Corn Flakes, Cheerios or Special K	00	01	02	03	04	05	06	07	08	09	### SHOW SERVING SIZE CARD  the amount in picture  B (1/2 c)
18	Milk or milk substitutes on cereal	00	01	02	03	04	05	06	07	08	09	3 oz

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
19.	Yogurt or frozen yogurt	00	01	02	03	04	05	06	07	08	09	the amount in picture  A (1/4 c) 1 B (1/2 c) 2 C (1 c) 3 D (2 c) 4
20.	Cheese, sliced cheese or cheese spread, including on sandwiches	00	01	02	03	04	05	06	07	08	09	1 si

20a. IF RESPONSE TO FOOD ITEM 20 IS NEVER, CIRCLE 00 AND GO TO FOOD ITEM 21.

When you eat cheese, is it. . . .

Usually low-fat,	1
Sometimes low-fat or	2
Hardly ever low-fat?	3
DK	8

How often did you eat the following vegetables, including fresh, frozen, canned or stir-fried, eaten at home or in a restaurant?

A. How often did you eat (FOOD) in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

FOOD	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
1. Broccoli	00	01	02	03	04	05	06	07	08	09	the amount in picture  A (1/4 c)

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

					-							
	FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
22.	Carrots, or mixed vegetables or stews containing carrots	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
23.	Corn	00	01	02	03	04	05	06	07	06	09	SHOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
24.	Green beans or green peas	00	01	02	03	04	05	08	07	Ç.	09	SHOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
25.	Spinach	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
26.	Mustard greens, turnip greens or collards	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)
27.	French fries, fried potatoes or hash brown	00	01	02	03	04	05	06	07	08	09	show serving size card the amount in picture  A (1/4 c)

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
28.	White potatoes not fried, incl. boiled, baked, mashed and potato salad	00	01	02	03	04	05	06	07	08	09	the amount in picture  A (1/4 c)
29.	Sweet potatoes or yams (Not in pie)	. 00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)
30.	Cole slaw or cabbage	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)
31	Green salad	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)
32	. Raw tomatoes, including those in salad	00	01	02	03	04	05	06	07	08	09	1/4
33	s. Salad dressing	00	01	02	03	04	05	06	07	08	09	1 Tbsp

IF RESPONSE TO FOOD ITEM 33 IS NEVER	. CIRCLE 00 AND GO TO FOOD ITEM 34.
	IF RESPONSE TO FOOD ITEM 33 IS NEVER

Is your salad dressing. . .

•	
Usually low-fat	 1
Sometimes low-fat or	 2
Hardly ever low-fat?	 3
DK .	 8

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

			A FEW TIMES	1 PER	2-3 PER	1 PER	2 PER	3-4 PER	5-6 PER	EVERY	2+ PER	
	FOOD	NEVER	PER YR	MON	MON	WK	WK	WK	WK	DAY	DAY	PORTION SIZE EACH TIME
34.	Any other vegetable, like okra, squash or cooked green peppers	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
35.	Refried beans or bean burntos	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
36.	Chili with beans (with or without meat)	00	01	02	· 03	04	05	06	07	08	09	SHOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
37.	Baked beans, black-eye peas, pintos or any other dried beans	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD  the amount in picture
38.	Vegetable stew	00	01	02	03 4	: 04	05	06	07	08	09	### SHOW SERVING SIZE CARD the amount in picture  ### B (1/2 c)
39.	Vegetable soup, vegetable beef, chicken vegetable or tomato soup	00	01	02	03	04	05	<b>06</b>	07	08	09	### SHOW SERVING SIZE CARD the amount in picture ### B (1/2 c)

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

40.	FOOD Split pea, bean	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
	or lentil soup	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  B (1/2 c)
41.	Any other soup, like chicken noodle, chowder, mush-room or instant soups	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  B (1/2 c)
42.	Spaghetti, lasagna or other pasta <u>with</u> tomato sauce	00	01	02	03	04	05	08	07	08	09	SHOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
43.	Cheese dishes without tomato sauce, like macaroni and cheese	08	01	02:.	03	04	05	06	07	08	09	show serving size card the amount in picture  A (1/4 c)
44.	Pizza, including carry-out	00	01	02 :	03	04	05	06	07	08	09	1 sl

• •

For the next several meal items. I will ask you how often and how much you ate in the past year as well as how often a given cooking method, such as frying, grilling, or broiling was used to cook the meat.

#### DEFINITION FOR PREPARING/COOKING METHODS

Pan fry: to cook items in a preheated heavy frying pan or griddle.

Grill/Barbecue: to cook items on a grid over coals, open fire, or ceramic briquettes heated by gas.

Oven-broil: to cook items by placing 2-6 inches below the heated surface in an oven after setting it on broil.

Fast food type: Food item purchased at a fast food restaurant. Usually inexpensive food, such as hamburgers or fried

chicken or fish, prepared and served quickly.

Baked or Roasted: to cook with dry heat, as in an oven or near hot coals.

Boiled: to cook in a heated liquid, usually water, that bubbles up and gives off vapor.

Deep fat fried: to fry by immersing in a deep utensil of fat or oil.

Stewed: to cook by boiling slowly. Usually mixtures of meat, chicken, or fish and vegetables with stock.

A. Again, using the categories on this card, please tell me, how often did you eat hamburgers or cheeseburgers in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

- B. Each time, did you usually eat 1/8 of a pound, 1/4 of a pound, 1/2 of a pound or 3/4 of a pound?
- C. [When you eat hamburgers or cheeseburgers], how often are they (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

FOOD	NEVER	A FEW TIMES PER YEAR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	1 PER DAY	2+ PER DAY	B. PORTION SIZE EACH TIME
45A. Hamburgers or cheeseburgers	00	01	02	03	04	05	06	07	08	09	
c.1 Pan fried	00	01	02	03	04	05	06	07	08	09	
, c.2 Grilled or barbecued	00	01	02	03	04	05	06	07	08	09	1/8 lb 1 1/4 lb 2
c.3 Oven-broiled	00	01	02	03	04	05	06	07	06	09	1/2 lb 3
c.4 Fast food type	00	01	02	03	04	05	06	07	06	09	3/4 lb 4
c.5 Cooked another way (SPECIFY)	00	01	02	03	04	05	06	07	08	09	

D. Please look at these pictures and tell me which picture best describes the hamburgers or cheeseburgers that you eat?

SHOW PHOTOBOOK (HAMBURGER PICTURES)

0.5	01
1	02
1.5	03
2	04
2.5	05
3	
3.5	07
4	80
4.5	

A. How often did you eat beef steaks in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you <u>usually</u> eat the amount in picture A, B, C or D?

SHOW SERVING SIZE CARD

C. [When you eat beef steaks], how often are they (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

FOOD	NEVER	FEW TIMES PER YEAR	1 PER MON	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	1 PER DAY	2+ PER DAY	B. PORTION SIZE EACH TIME
Beef steaks	00	01	02	03	04	05	06	07	08	09	
c.1 Pan fried	00	01	02	03	04	05	06	07	08	09	
c.2 Grilled or barbecued	00	01	02	03	04	05	06	07	08	09	A 1 B 2
c.3 Oven-broiled	00	01	02	03	04	05	06	07	08	09	C 3 D 4
c.4 Cooked another way (SPECIFY)	00	01	02	03	04	05	06	07	08	09	
	Beef steaks c.1 Pan fried c.2 Grilled or barbecued c.3 Oven-broiled c.4 Cooked another	Beef steaks 00 c.1 Pan fried 00 c.2 Grilled or barbecued 00 c.3 Oven-broiled 00 c.4 Cooked another 00	## TIMES PER FOOD NEVER YEAR  Beef steaks 00 01  c.1 Pan fried 00 01  c.2 Grilled or barbecued 00 01  c.3 Oven-broiled 00 01  c.4 Cooked another 00 01	FEW TIMES PER 1 PER PER 1 PER	FEW TIMES 2-3 PER 1 PER PER PER FOOD NEVER YEAR MON MON MON Beef steaks 00 01 02 03 c.1 Pan fried 00 01 02 03 c.2 Grilled or barbecued 00 01 02 03 c.3 Oven-broiled 00 01 02 03 c.4 Cooked another 00 01 02 03	FEW TIMES 2-3 PER 1 PER 1 PER 1 PER FOOD NEVER YEAR MON MON WK  Beef steaks 00 01 02 03 04  c.1 Pan fried 00 01 02 03 04  c.2 Grilled or barbecued 00 01 02 03 04  c.3 Oven-broiled 00 01 02 03 04  c.4 Cooked another 00 01 02 03 04	FEW TIMES 2-3 PER 1 PER PER 1 PER 2 PER FOOD NEVER YEAR MON MON WK WK  Beef steaks 00 01 02 03 04 05  c.1 Pan fried 00 01 02 03 04 05  c.2 Grilled or barbecued 00 01 02 03 04 05  c.3 Oven-broiled 00 01 02 03 04 05  c.4 Cooked another 00 01 02 03 04 05	FEW TIMES 2-3 3-4 PER 1 PER 2 PER PER FOOD NEVER YEAR MON MON WK WK WK WK  Beef steaks 00 01 02 03 04 05 06 C.1 Pan fried 00 01 02 03 04 05 06 C.2 Grilled or barbecued 00 01 02 03 04 05 06 C.3 Oven-broiled 00 01 02 03 04 05 06 C.4 Cooked another 00 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked Another 01 02 03 04 05 06 C.4 Cooked A	FEW TIMES 2-3 3-4 5-6 PER 1 PER PER 1 PER 2 PER PER PER FOOD NEVER YEAR MON MON WK WK WK WK Beef steaks 00 01 02 03 04 05 06 07 c.1 Pan fried 00 01 02 03 04 05 06 07 c.2 Grilled or barbecued 00 01 02 03 04 05 06 07 c.3 Oven-broiled 00 01 02 03 04 05 06 07 c.4 Cooked another 00 01 02 03 04 05 06 07	FEW TIMES 2-3 3-4 5-6 PER 1 PER 1 PER 2 PER PER 1 PER 1 PER 500D NEVER YEAR MON MON WK WK WK WK DAY  Beef steaks 00 01 02 03 04 05 06 07 08 0.1 Pan fried 00 01 02 03 04 05 06 07 08 0.2 Grilled or barbecued 00 01 02 03 04 05 06 07 08 0.3 Oven-broiled 00 01 02 03 04 05 06 07 08 0.3 Oven-broiled 00 01 02 03 04 05 06 07 08 0.4 0.5 06 07 08 0.4 0.5 06 07 08 0.4 0.5 06 07 08 0.4 0.5 06 07 08 0.4 0.5 06 07 08 0.4 0.5 06 07 08 0.4 0.5 06 07 08 0.4 0.5 06 07 08 0.4 0.5 06 07 08 0.4 0.4 0.5 06 07 08 0.4 0.4 0.5 06 07 08 0.4 0.4 0.5 06 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.4 0.5 0.8 0.7 0.8 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	FEW TIMES 2-3 3-4 5-6 2+ PER 1 PER PER 1 PER

D. Please look at these pictures and tell me which picture best describes the beef steaks that you eat?

SHOW PHOTOBOOK (BEEF STEAK PICTURES)

0.5	01
1	02
1.5	03
2	
2.5	05
3	06
3.5	07
4	
4.5	09

A. How often did you eat pork chops in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat the amount in picture A, B, C or D?

SHOW SERVING SIZE CARD

C. [When you eat pork chops], how often are they (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

		A FEW TIMES	1 050	2-3	1 DED	2050	3-4 DEB	5-6 BER	1 050	2+	В.
FOOD	NEVER	YEAR	MON	MON	WK	WK	WK.	WK	DAY	DAY	PORTION SIZE EACH TIME
Pork chops	00	01	02	03	04	05	06	07	08	09	
c.1 Pan fried	00	01	02	03	04	05	06	07	08	09	
c.2 Oven-broiled	00	01	02	03	04	05	06	07	06	09	A 1 B 2
c.3 Baked or roasted	00	01	02	03	04	05	06	07	08	09	C 3 D 4
c.4 Cooked another way (SPECIFY)	00	01	02	03	04	05	06	07	08	09	
	Pork chops c.1 Pan fried c.2 Oven-broiled c.3 Baked or roasted c.4 Cooked another	Pork chops 00 c.1 Pan fried 00 c.2 Oven-broiled 00 c.3 Baked or roasted 00 c.4 Cooked another 00	FEW TIMES PER YEAR  Pork chops 00 01  c.1 Pan fried 00 01  c.2 Oven-broiled 00 01  c.3 Baked or roasted 00 01  c.4 Cooked another 00 01	FEW TIMES PER 1 PER PER YEAR MON Pork chops 00 01 02 c.1 Pan fried 00 01 02 c.2 Oven-broiled 00 01 02 c.3 Baked or roasted 00 01 02 c.4 Cooked another 00 01 02 02	FEW TIMES 2-3 PER 1 PER PER PER FOOD NEVER YEAR MON MON Pork chops 00 01 02 03 c.1 Pan fried 00 01 02 03 c.2 Oven-broiled 00 01 02 03 c.3 Baked or roasted 00 01 02 03 c.4 Cooked another 00 01 02 03	FEW TIMES 2-3 PER 1 PER PER 1 PER FOOD NEVER YEAR MON MON WK  Pork chops 00 01 02 03 04  c.1 Pan fried 00 01 02 03 04  c.2 Oven-broiled 00 01 02 03 04  c.3 Baked or roasted 00 01 02 03 04  c.4 Cooked another 00 01 02 03 04	FEW TIMES 2-3 PER 1 PER 1 PER 2 PER 1 PER 2 PER POOD NEVER YEAR MON MON WK WK  Pork chops 00 01 02 03 04 05 C.1 Pan fried 00 01 02 03 04 05 C.2 Oven-broiled 00 01 02 03 04 05 C.3 Baked or roasted 00 01 02 03 04 05 C.4 Cooked another 00 01 02 03 04 05	FEW TIMES 2-3 3-4 3-4 PER FOOD NEVER YEAR MON MON WK WK WK WK  Pork chops 00 01 02 03 04 05 06 c.1 Pan fried 00 01 02 03 04 05 06 c.2 Oven-broiled 00 01 02 03 04 05 06 c.3 Baked or roasted 00 01 02 03 04 05 06 c.4 Cooked another 00 01 02 03 04 05 06 06	FEW TIMES 2-3 3-4 5-6 PER 1 PER PER 1 PER 2 PER PER PER PER PODD NEVER YEAR MON MON WK	FEW TIMES 2-3 3-4 5-6 PER 1 PER 1 PER 2 PER PER 1 PER 1 PER	FEW TIMES 2-3 3-4 5-6 2+ PER 1 PER 1 PER

D. Please look at these pictures and tell me which picture best describes the pork chops that you eat?

SHOW
PHOTOBOOK
(PORK CHOP
PICTURES)

0.5	(	01
1	(	02
1.5	(	03
2	(	04
2.5	(	05
3	(	06
3.5	(	07

48. When you eat meat, do you . . .

Avoid eating the fat.	1
Sometimes eat the fat, or	2
Often eat the fat?	3
DON'T FAT MEAT	0

A. How often did you eat bacon in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

- B. Each time, did you <u>usually</u> eat 1, 2, 3 or 4 pieces?
- C. [When you eat bacon], how often is it (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

	FOOD	NEVER	A FEW TIMES PER YEAR	1 PER	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER	1 PER	2+ PER	В.
49A.	Bacon	00	01	02	03	04	05	06	<u>WK</u> 07	DAY 08	DAY 09	PORTION SIZE EACH TIME
	c.1 Pan-fried	00	01	02:	03	04	05	06	07	08	09	
	c.2 Oven-broiled	00	01	02	03	04	05	06	07	08	09	1 pc 1
	c.3 Microwaved	00	01	02	03	04	05	06	07	08	09	2 pc 2 3 pc 3
	c.4 Cooked another way (SPECIFY)	00	01	02	03	04	05	06	07	08	09	4 pc 4

D. Please look at these pictures and tell me which picture best describes the bacon that you eat?

į	SHOW	0.5	01
ı	РНОТОВООК	1	
1	(BACON	4 6	03
I	PICTURES)	2	
		2.5	• •
		2	05
		3.5	06
1	E. When you	at bacon, is it <u>usually</u> (READ)	
	- villan yaa	ut bacon, is it <u>usually (READ)</u>	
		Pork bacon,	1
		Canadian bacon,	2
		Turkey bacon,	
		Beef bacon, or	4
		Something else?	6
		SPECIFY:	
		DK	٥

A. How often did you eat breakfast sausage or scrapple in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

- B. Each time, did you <u>usually</u> eat 1, 2, 3 or 4 pieces?
- C. [When you eat breakfast sausage or scrapple], how often is it (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

	FOOD	NEVER	A FEW TIMES PER YEAR	1 PER	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	1 PER DAY	2+ PER DAY	B. PORTION SIZE EACH TIME
50A.	Breakfast sausage or scrapple	00	01	02	03	04	05	06	07	08	09	
	c.1 Pan fried	00	01	02	03	04	05	06	07	08	09	1 00 1
	c.2 Grilled or barbecued	00	01	02	03	04	05	06	07	08	09	1 pc 1 2 pc 2 3 pc 3
	c.3 Oven-broiled	00	01	02	03	04	05	06	07	08 5	09	4 pc 4
	c.4 Cooked another way (SPECIFY)	00	01	02	03	04	05	06-	07	08	09	

In the past year when you at	e breakfast sausage or scrapple, was it us	sually cooked
	Just until done,	1
	Well-done or crisp or	2
	Charred?	3
	DK	8
	Pork sausage,	1
	Pork sausage,	
	Beef sausage,	<b>2</b>
	Beef sausage, Turkey sausage, or Something else?	2 3 6
	Beéf sausage, Turkey sausage, or	

such as Polish, Italian, half smoked or Vienna sausage  c.1 Oven-broiled 00 01 02 03 04 05 06 07 08 09  c.2 Grilled or barbecued 00 01 02 03 04 05 06 07 08 09  c.3 Boiled 00 01 02 03 04 05 06 07 08 09  c.4 Cooked another way (SPECIFY) 00 01 02 03 04 05 06 07 08 09  D. In the past year when you ate other sausage, such as Polish, Italian, half-smoked or Vienna sausage, was cooked (READ)  Just until done. 1  Well-done or crisp or 2  Charred? 3  DK												
SHOW   CARD												
SHOW   CARD	Á How offen did	vou est of	har									
E. Each time. did you usually eat 1, 2, 3 or 4 sausages?  C. [When you eat other sausage, such as Polish, Italian, half-smoked or Vienna sausage], how often is it METHOD)?  IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.  A FEW TIMES 2.3 3.4 5-6 2.4 PER 1 PER PER PER PER 1 PER PER PER 1 PER PER POOT NEVER YEAR MON MON WK WK WK WK DAY DAY DAY PORTION SIZE E Such as Polish, Italian, half-smoked or Vienna sausage c.1 Oven-broiled 00 01 02 03 04 05 06 07 08 09 1	Tiow often did	you eat of	ner saus	sage, su	ich as	Polish,	Italian,	half-s	moked	or Vien	na sau	isage, in the past ye
B Each time. did you usually eat 1. 2. 3 or 4 sausages?  C [When you eat other sausage, such as Polish, Italian, half-smoked or Vienna sausage], how often is it METHOD)?  IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.  A FEW TIMES 2.3 3-4 5-5 2+ PER 1 PER PER 1 PER PER PER 1 PER PER PER PER 1 PER PER PER PER PER PER PER PER PER PORTION SIZE E Such as Polish, Italian, half-smoked or Vienna sausage c.1 Oven-broiled 00 01 02 03 04 05 06 07 08 09 1	1 1 1	F RESPO	NSE TO	FOOD	ITEM	IS NE	/ER. CI	RCLE	CODE	00 AND	O GO 1	ro
C. [When you eat other sausage, such as Polish, Italian, half-smoked or Vienna sausage], how often is it METHOD)?  IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.  A FEW TIMES 2.3 3.4 5.6 2.4 PER 1 PER 1 PER 2 PER PER 1 PER PER PER 1 PER PER PER 1 PER PER PER 1 PER PER PER PER 1 PER PER PER 1 PER PER PER 1 PER PER PER PER PER 1 PER PER PER PER 1 PER PER PER PER PER PER PER 1 PER PER PER PER PER 1 PER PER PER PER PER PER 1 PER PER PER PER PER 1 PER PER PER PER PER PER 1 PER PER PER PER PER PER PER 1 PER PER PER PER PER 1 PER PER PER PER PER 1 PER PER PER PER 1 PER PER PER 1 PER PER PER PER 1 PER PER PER PER 1 PER PER 1 PER PER PER 1 PER 1 PER PER 1 PER 1 PER PER 1	TOXICO	VEX FOR	JU I I EN	1.								
C. [When you eat other sausage, such as Polish, Italian, half-smoked or Vienna sausage], how often is it METHOD)?  IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.  A FEW TIMES 2.3 3.4 5.6 2.4 PER PER 1 PER	B Fach time did	vou ususl	h 4 d									
IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.												
IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.	C. {When you eat METHOD)?	other sau	usage, s	uch as	Polish	. Italiar	n, half-s	moked	d or Vie	enna sa	usage	], how often is it (C
A FEW   TIMES   2-3   3-4   5-6   2+   B   FOOD   NEVER   YEAR   MON   MON   WK   WK   WK   WK   WK   DAY   DAY   PORTION SIZE E   Such as Polish   Italian, half-smoked or Vienna sausage   C.1 Oven-broiled   O0   O1   O2   O3   O4   O5   O6   O7   O8   O9   O9   O2   O3   O4   O5   O6   O7   O8   O9   O9   O2   O3   O4   O5   O6   O7   O8   O9   O9   O2   O3   O4   O5   O6   O7   O8   O9   O9   O2   O3   O4   O5   O6   O7   O8   O9   O9   O9   O9   O9   O9   O9	,											
FOOD   NEVER   YEAR   MON   MON   WK   WK   WK   WK   DAY	I I	F RESPO	NSE TO	COOKI	NG ME	ETHOD	IS NE	VER, (	CIRCLE	00 AN	D ASK	
FEW TIMES 2.3 3.4 5.6 2+ PER 1 PER 1 PER 2 PER PER 1 PER PER PER PER 1 PER PER PER 1 PER PER PER PER 1 PER			1010K	IAEXI	COOK	ING MI	ETHOD	<u> </u>				
Times												
PER   1 PER   2 PER   1 PER   2 PER   1 PER   2 PER   1 PER   1 PER   2 PER   1 PER			TIMES		2-3			3-4	5-6		2+	
51A. Other sausage, such as Polish, Italian, half-smoked or Vienna sausage c.1 Oven-broiled 00 01 02 03 04 05 06 07 08 09 1	FOOD	NEVER										
Italian, half smoked or Vienna sausage	51A. Other sausage,	HETEK	ILAN	MON	MON	VVK	WK	WK	WK	DAY	DAY	PORTION SIZE EAC
or Vienna sausage  c.1 Oven-broiled 00 01 02 03 04 05 06 07 08 09 1		00	01	ດວ	٧3	04	05					
C.1 Oven-broiled 00 01 02 03 04 05 06 07 08 09  C.2 Grilled or barbecued 00 01 02 03 04 05 06 07 08 09  C.3 Boiled 00 01 02 03 04 05 06 07 08 09  C.4 Cooked another way (SPECIFY) 00 01 02 03 04 05 06 07 08 09  D. In the past year when you ate other sausage, such as Polish, Italian, half-smoked or Vienna sausage, was cooked (READ)  Just until done, 1 Well-done or crisp or 2 Charred? 3 DK, 8  E. When you eat other sausage, such as Polish, Italian, half-smoked or Vienna sausage, is it usually made (READ)	l .	30	01	uz	US	<b>U</b> 4	05	08	07	06	09	
C.2 Grilled or barbecued	1	00	0.4									
Darbecued   O0   O1   O2   O3   O4   O5   O6   O7   O8   O9   O8   O9   O8   O9   O9   O8   O9   O9		UQ.	ŲΤ	02	03	04	05	06	07	08	09	1
C.3 Boiled 00 01 02 03 04 05 06 07 08 09  C.4 Cooked another way (SPECIFY) 00 01 02 03 04 05 06 07 08 09  D. In the past year when you ate other sausage, such as Polish, Italian, half-smoked or Vienna sausage, was cooked (READ)  Just until done, 1 Well-done or crisp or 2 Charred? 3  DK	1	00	01	02	03	04	05	06	07	08	09	3
C.4 Cooked another way (SPECIFY)  O0 01 02 03 04 05 06 07 08 09  In the past year when you ate other sausage, such as Polish, Italian, half-smoked or Vienna sausage, was cooked (READ)  Just until done, 1 Well-done or crisp or 2 Charred? 3 DK	c.3 Boiled	00	01	02	03	04	05	∩e:	07	^	22	4
D. In the past year when you ate other sausage, such as Polish, Italian, half-smoked or Vienna sausage, was cooked (READ)  Just until done, 1 Well-done or crisp or 2 Charred? 3 DK	c.4 Cooked another			-			05	ve	07	V6	09	
Just until done,	way (SPECIFY)	00	01	02	03	04	05	06	07	80	09	
Just until done,												
Just until done,												
Just until done,	D. In the past year	when you	ate other	er sausa	ige, su	ich as i	Polish,	Italian,	half-si	noked (	or Vier	nna sausage, was it
Well-done or crisp or	333,03 · · · (1/L)	(0)										
Charred?				Just u	ntil dor	ne,	• • • • • • • • • • • • • • • • • • • •	••••••			1	
DK				Charre	id?	crisp c	or		••••••		2 3	
(READ)  Pork,				DK					•••••	{	_	
Pork, 1	/	ther sausa	age, suc	h as Po	olish, It	alian. H	nalf-sm/	oked o	r Vien	12 62110	ane i-	م د د د د د مالمارون فا
Pork,1	(READ)				, .	., .	. 3.71		· vieili	Jaus	-yc, 13	an usualiy made in
				Pork,		•••••	*********			1	ı	
Beef,											,	
Something else6				Beef, Turkey	 , or	••••••				3	3	

A. How often did you eat fried chicken in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

- B. Each time, did you <u>usually</u> eat 1, 2, 3 or 4 medium size pieces?
- C. [When you eat fried chicken], how often is it (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

			A FEW TIMES PER	1 PER	2-3 PER	1 PER	2 PER	3-4 PER	5-6 PER	1 PER	2+ PER	8.
	FOOD	NEVER	YEAR	MON	MON	WK	WK	WK	WK	DAY	DAY	PORTION SIZE EACH TIME
52A. F	ried chicken	00	01	02	03	04	05	06	07	08	09	
C	c.1 Fast food or deep-fat fried, prepared with coating	00	01	02	03	04	05	06	07	08	09	1 med pc 1 2 med pc 2
c	:.2 Pan fried, prepared without coating	00	01	02	03	04	05	06	07	08	09	3 med pc 3 4 med pc 4
c	:.3 Cooked another way (SPECIFY)	00	01	02	03	04	05	06	07	08	09	

IF RESPONSE TO C2 (PAN FRIED. . .) IS NEVER, GO TO FOOD ITEM 53.

D. Please look at these pictures and tell me which picture best describes the pan-fried chicken (FOOD) that you eat?

SHOW
PHOTOBOOK
(CHICKEN,
PAN-FRIED
PICTURES)

0	.5	01
1		02
	.5	
	•••••	
	.5.	
	•	
	5	

A. How often did you eat chicken or turkey, including ground or in sandwiches in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Did you usually eat the amount in picture A, B, C or D?

SHOW SERVING SIZE CARD

C. [When you eat chicken or turkey, including ground or in sandwiches], how often is it (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

FOOD	NEVER	A FEW TIMES PER YEAR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	1 PER	2+ PER DAY	B. PORTION SIZE EACH TIME
53A. Chicken or turkey, including in sandwiches	00	01	02	03	04	05	06	07	08	09	The state of the s
c.1 Baked or roasted	00	01	02	03	04	05	06 .	07	06	09	
c.2 Stewed	00	01	03.	03	04	05	06	07	08 s	09	A 1 B 2
c.3 Oven-broiled	00	01	02	03	04	05	06	07	80	09	C 3 D 4
c.4 Grilled or barbecued	06	01	02	03	04	05	96	07	<b>06</b> .,	09	D 4
c.5 Cooked another way (SPECIFY)	00	01	02	03	04	05	08	07	08	09	

IF RESPONSE TO C.4 (GRILLED OR BARBECUE) IS NEVER. GO TO Q.54.

D. Please look at these pictures and tell me which picture best describes the grilled chicken that you eat?

SHOW
РНОТОВООК
(GRILLED
CHICKEN
PICTURES)

0.5	01
1	02
1.5	03
2	04
2.5	05
3	
3.5	07

54. IF RESPONSE TO FOOD ITEM 52 (FRIED CHICKEN) AND 53 (CHICKEN OR TURKEY) IS NEVER, GO TO FOOD ITEM 55.

When you eat chicken, do you . . .

Avoid eating the skin.	**********	1
Sometimes eat the skin or	*********	2
Often eat the skin?		3

A. How often did you eat fried fish or a fish sandwich, including fried sardines in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you <u>usually</u> eat the amount in picture A, B, C or D?

SHOW SERVING SIZE CARD

C. [When you eat fried fish or a fish sandwich, including fried sardines], how often is it (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

		A FEW							-		
		TIMES		2-3			3-4	5-6		2+	
		PER	1 PER	PER		2 PER	PER	PER	1 PER	PER	В.
FOOD	NEVER	YEAR	MON	MON	WK	WK	WK	WK	DAY	DAY	PORTION SIZE EACH TIME
55A. Fried fish or a fish sandwich, including fried sardines	00	01	02	03	04	05	06	07	08	09	
c.1 Pan fried, prepared without coating	00	01	<b>02</b> '	03	04	05	08	07	08	09	A 1 B 2
c.2 Fast food or deep fat fried, prepared with coating	00	01	02	03	04	05	06	07	08	09	C
c.3 Cooked another way (SPECIFY)	00	01	02	03	04	05	06	07	08	09	

A. How often did you eat other fish, including tuna in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Did you <u>usually</u> eat the amount in picture A, B, C or D?

SHOW SERVING SIZE CARD

C. [When you eat other fish, including tuna], how often is it (COOKING METHOD)?

IF RESPONSE TO COOKING METHOD IS NEVER, CIRCLE 00 AND ASK QUESTION C FOR NEXT COOKING METHOD.

FOOD	NEVER	A FEW TIMES PER YEAR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	1 PER DAY	2+ PER DAY	B. PORTION SIZE EACH TIME
Other fish, including tuna	00	01	02	03	04	05	06	07	08	09	
c.1 Oven-broiled	00	01	02	03	04	05	06	07	06	09	
c.2 Baked	00	01	02	03	04	05	06	07	08	09	<b>A</b> 1
c.3 Cooked in a casserole	00	01	02	03	04	05	06	07	08	09	B
c.4 Used in a salad	00	01	02	03	04	05	06	07	08	09	J
c.5 Cooked another way (SPECIFY)	00	01	02	03	04	05	06	07	08	09	
	Other fish, including tuna  c.1 Oven-broiled  c.2 Baked  c.3 Cooked in a casserole  c.4 Used in a salad  c.5 Cooked another	Other fish, including tuna  c.1 Oven-broiled  c.2 Baked  c.3 Cooked in a casserole  c.4 Used in a salad  c.5 Cooked another	## FEW TIMES PER FOOD NEVER YEAR  Other fish, including tuna  c.1 Oven-broiled 00 01  c.2 Baked 00 01  c.3 Cooked in a casserole  c.4 Used in a salad 00 01  c.5 Cooked another 00 01	FEW TIMES   PER   1 PER	FEW   TIMES   2-3   PER   1 PER   PER   PER   MON   MON	FEW   TIMES   2-3   PER   1	FEW   TIMES   2-3   PER   1 PER   2 PER   1 PER   1 PER   1 PER   1 PER   1	FEW TIMES 2-3 3-4 3-4 PER FOOD NEVER YEAR MON MON WK WK WK WK  Other fish, including tuna 00 01 02 03 04 05 06 c.1 Oven-broiled 00 01 02 03 04 05 06 c.2 Baked 00 01 02 03 04 05 06 c.3 Cooked in a casserole 00 01 02 03 04 05 06 c.4 Used in a salad 00 01 02 03 04 05 06 c.5 Cooked another 00 01 02 03 04 05 06	FEW TIMES 2-3 3-4 5-6 PER 1 PER 1 PER 2 PER PER PER PER PER 1 PER 2 PER	FEW   TIMES   2-3   3-4   5-6   PER   1 PER   PER   1 PER   PER   PER   1 PER   PER   PER   1 PER   PER	FEW TIMES 2-3 3-4 5-6 2+ PER 1 PER PER 1 PER

• •

chicken or fish, dur	and the contract of the contra	illed or barbecued meats, including
	ing the <u>summer months</u> . Remember to think about	ast year.
SHOW	NEVER	00
CARD 1	A FEW TIMES PER YEAR	
	ONCE PER MONTH	02
	2-3 TIMES PER MONTH	
	ONCE PER WEEK	
	TWICE PER WEEK	05
	3-4 TIMES PER WEEK	06
	5-6 TIMES PER WEEK	
	ONCE PER DAY	
	2 OR MORE TIMES PER DAY	
	DK	98
	ONCE PER MONTH	
	2-3 TIMES PER MONTHONCE PER WEEK	
	2-3 TIMES PER MONTH ONCE PER WEEK TWICE PER WEEK 3-4 TIMES PER WEEK 5-6 TIMES PER WEEK	
59. In the past year, ho	2-3 TIMES PER MONTH	
59. In the past year, ho	2-3 TIMES PER MONTH  ONCE PER WEEK	
59. In the past year, ho	2-3 TIMES PER MONTH ONCE PER WEEK	
59. In the past year, ho	2-3 TIMES PER MONTH	

Using the categories on this card, please tell me .....

A. How often did you eat (FOOD) in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
60.	Meatloaf at home or in a restaurant	00	01	02	03	04	05	06	07	08	09	1/8 lb 1 1/4 lb 2 1/2 lb 3 3/4 lb 4
61.	Beef roasts or pot roast, or in frozen dinners or sandwiches	00	01	02	03	04	05	06	07	08	09	## SHOW SERVING SIZE CARD  the amount in picture  A
62.	Pork roasts or dinner ham	00	01	02	03	04	05	06	07	08	09	### SHOW SERVING SIZE CARD the amount in picture    A
63.	Veal, lamb or deer meat	00	.01	02	03	04	05	06	07	08	09	### SHOW SERVING SIZE CARD  the amount in picture
6 <b>4</b> .	Ribs or spareribs	00	01	02	03 :	04	05	06	07	08	09	3-4

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

#### B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
65.	Liver, including chicken livers or liverwurst	00	01	02	03	04	05	06	07	08	09	## SHOW SERVING SIZE CARD  the amount in picture  A
66.	Gizzard, pork neckbones, chitlins, pigs feet, etc.	00	01	02	03	04	05	08	07	08	09	### SHOW SERVING SIZE CARD  the amount in picture
67.	Gravy	00	01	02	03	04	05	06	07	08	09	1 Tbsp

67a. IF RESPONSE TO FOOD ITEM 67 (GRAVY) IS NEVER, CIRCLE 00, AND GO TO FOOD ITEM 68.

In the past year when you ate gravy, was it usually . . .

Made from meat drippings,	1
Store bought cans or	
Store bought packets?	3
DK	8

٠.

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
68. Hot dogs	00	01	02	03	04	05	06	07	08	09	1

60-	IC DECORATE TO THE TOTAL
ooa.	IF RESPONSE TO FOOD ITEM 68 IS NEVER, CIRCLE 00 AND GO TO FOOD ITEM 69.
	LINE SO TO THE VERY, CIRCLE OF AND GO TO FOOD TIEM 69.

Are your hot dogs . . .

Usually low fat,	1
Sometimes low fat or	2
Hardly ever low fat?	3
DK	8

FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
<ol> <li>Baloney, sliced ham, turkey lunch meat or other lunch meat</li> </ol>	00	01	02	03	04	05	06	07	08	09	1 sl

## 69a. IF RESPONSE TO FOOD ITEM 69 IS NEVER, CIRCLE 00 AND GO TO FOOD ITEM 70.

Are your lunch meats . . .

Usually low-fat or turkey,	1
Sometimes low-fat or	2
Hardly ever low-fat?	3
DK	8

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

70	FOOD  Mixed dishes with beef or pork, like stew, corned beef hash, stuffed cabbage or meat dish with noodles	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY		PORTION SIZE EACH TIME HOW SERVING SIZE CARD the amount in picture A 1 B 2 C 3 D 4
	Mexican foods, such as tacos, burritos, enchiladas, tamales, etc., made with beef or pork	00	01	02 .	03	04	05	<b>06</b>	07	08	9 09	the amount in picture  A
72.	Mixed dishes with chicken or turkey, like chicken casserole, turkey meatloaf, chicken and noodles, pot pie or in stir-fry	<b>00</b> ,"	01	02	03	04	05	06	07	08	SH 09	OW SERVING SIZE CARD  the amount in picture  A
	Mexican foods, such as tacos, burritos, enchiladas, tamales, etc., made with chicken or turkey	00	01	02	03	04	05	06	07	08	_SI-	the amount in picture  A

#### A. How often did you eat (FOOD) in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER, CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

### B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
<b>74</b> .	Oysters	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD  the amount in picture  A
75.	Other shellfish like shrimp, scallops or crabs	00	01	02	03	04	05	06	07	06	09	### SHOW SERVING SIZE CARD  the amount in picture    ### 1  ### 1  ### 2  ### C
76.	Noodles, macaroni or pasta salad	00	01	02	03	04	05	08	07	08	09	the amount in picture  A (1/4 c)
77.	Tofu or bean curd	00	01	02	03	04	05	06	07	08	09	the amount in picture  A (1/4 c)
78.	Meat substitutes, such as veggie burgers or Gardenburgers	00	01	02	03	04	05	06	07	08	09	1 patty
79.	Chinese food, Thai or other Asian food, not counted above	00	01	02	03	04	05	06	07	08	09	SHOW SERVING SIZE CARD the amount in picture  A (1/4 c)

A. How often did you eat (FOOD)?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

### B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
80.	Snacks like potato chips, corn chips or popcorn (not pretzels)	00	01	02	03	04	05	06	07	06	09	HOW SERVING SIZE CARD the amount in picture  A (1/4 c)

80a. IF RESPONSE TO FOOD ITEM 80 IS NEVER, CIRCLE 00 AND PROCEED TO FOOD ITEM 81.

Are these snacks . . .

Usually low-fat,	1
Sometimes low-fat or	2
Hardly ever low-fat?	
DK	

	FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
81.	Peanuts, other nuts or seeds	20	24	20								HOW SERVING SIZE CARD the amount in picture
		00	01	œ ::	03	04	05	<b>06</b>	07	08	09	A (1/4 c)
82.	Crackers	00	01	02	03	04	05	06	07	06	SH 09	HOW SERVING SIZE CARD  the amount in picture  A (1/4 c)
	Doughnuts or Danish pastry	00	01	02	03	04	05	06	07	08	09	1

A. How often did you eat (FOOD)?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
84.	Cake, sweet rolls or coffee cake	00	01	02	03	04	05	06	07	08	09	## SHOW SERVING SIZE CARD  the amount in picture  A

84a. IF RESPONSE TO FOOD ITEM 84 IS NEVER, CIRCLE 00 AND PROCEED TO FOOD ITEM 85.

Are they . . .

Usually low-fat,	1
Sometimes low-fat or	2
Hardly ever low-fat?	3
DK	8

FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
85. Cookies	00	01	<b>02</b>	03	04	05	06	07	08	09	1-2

85a. IF RESPONSE TO FOOD ITEM 85 IS NEVER, CIRCLE 00 AND PROCEED TO FOOD ITEM 86.

Are your cookies . . .

Usually low-fat,	1
Sometimes low-fat or	2
Hardly ever low-fat?	3
DK	8

A. How often did you eat (FOOD) in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

FOOD	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	POPTION SIZE FACULT
86. Ice cream, ice milk or ice cream bars	00	01	02	03	04	05	08	07	08		PORTION SIZE EACH TII SHOW SERVING SIZE CAP  the amount in picture  A

86a. IF RESPONSE TO FOOD ITEM 86 IS NEVER, CIRCLE 00 AND PROCEED TO FOOD ITEM 87.

Is your ice cream . . .

Usually low-fat,	Λ1
Sometimes low-fat or	01
Hardly ever low-fat?	02
DK	03

97	FOOD	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
	Pumpkin pie or sweet potato pie	00	01	02	03	04	05	06	07	08	09	1/2 sl
	Any other pie or cobbler	00	01	02	03	04	05	06	07	08	09	1/2 si 1 1 si 2 2 si 3 3 si 4
	Chocolate candy or candy bars	00	01	02	03	04	05	06	07	08	09	1 sm bar 1 5 1 med bar 2 1 lg bar 3 2 lg bars 4
90.	Other candy, not chocolate, like hard candy, caramel or jelly beans	00	01	02	03	04	05	08	07	08	09	1-2 pc 1 3-5 pc 2 6-7 pc 3 8+ pc 4

How often did you eat (FOOD) in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

### B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

	FOOD	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
91.	Biscuits or muffins	00	01	02	03	04	05	06	07	08	09	1
92.	Rolls, hamburger buns, English muffins or bagels	00	01	02	03	04	05	06	07	08	09	1/2
93.	Dark bread like rye or whole wheat, including in sandwiches	00	01	02	03	04	05	06	07	08	09	1 sl
94.	White bread or toast, including French, Italian or in sandwiches	00	01	02	03	04	05	06	07	08	09	1 sl
95.	Corn bread or corn muffins	00	01	02	03	04	05	06	07	08	09	1 pc 1 2 pc 2 3 pc 3 4 pc 4
96.	Tortillas	00	01	02	03	î;04	05	08	07	08	09	1
97.	Rice or dishes made with rice	00	01	02	03	04	05	06	07	08	09	show serving size card the amount in picture.  A (1/4 c)

A. How often did you eat (FOOD) in the past year?

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually eat (READ PORTION SIZE CHOICES FOR THE FOOD ITEM)?

FOOD	N.5.	A FEW TIMES PER	1 PER	2-3 PER	1 PER	2 PER	3-4 PER	5-6 PER	EVERY	2+ PER	
98. Margarine butter) on or on potal or vegetab etc.	bread toes 00	Q YR 01	<u>MON</u> 02	MON 03	04	WK 05	WK 06	07	DAY 08	DAY	PORTION SIZE EACH TIME  1 pat/tsp
99. Butter (not margarine) bread or or potatoes o vegetables	on 00 r , etc.	01	02	03	04	05	06	07	08	09	1 pat/tsp 1 2 pat/tsp 2 3 pat/tsp 3 4 pat/tsp 4
100.Peanut but	ter 00	01	. 02	03	04	05	06	07	08	09	1 Tbsp
101.Jelly, jam o syrup	00	01	02	03	04	05	06	07	00	09	1 Tbsp
102.Mayonnaise sandwich spreads	e or <b>00</b>	01	02	03	04	05	08	07	08	09	1 Tbsp
103 Catsup, sai or chile pep		01	02:	03	04	05	06	07	08	09	1 Tbsp
104. Mustard, so sauce, stea sauce, barbecue so or other sau	<b>00</b>	01	02	03	04	05	06	07	08	09	1 Tbsp

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

#### B. Each time, did you usually drink (READ PORTION SIZE CHOICES FOR THE BEVERAGE)?

BEVERAGE	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
105.Tomato juice or V-8 juice	00	01	02	03	04	05	06	07	08	09	1 gl 1 2 gl 2 3 gl 3 4 gl 4
106 Real 100% orange juice or grapefruit juice, including fresh, frozen or bottled	00	01	02	03	04	05	06	07	08	09	1 gi

106a. IF RESPONSE TO BEVERAGE ITEM 106 IS NEVER, CIRCLE 00 AND PROCEED TO BEVERAGE ITEM 107.

When you drink orange juice, how often do you drink a calcium-fortified brand? Would you say. . .

Usually,	1
Sometimes or	2
Hardly ever?	3
DK	8

BEVERAGE	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
107.Other real fruit juices like apple juice, prune juice or lemonade	00	01	02	03	04	05	06	07	08	09	1 gl

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

#### B. Each time, did you usually drink (READ PORTION SIZE CHOICES FOR THE BEVERAGE)?

BEVERAGE	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
108.Kool-Aid, Hi-C or other drinks with added vitamin C	00	01	02	03	04	05	06	07	08	09	1 gl 1 2 gl 2 3 gl 3 4 gl 4
109. Drinks with some juice in them, like Sunny Delight or Juice Squeeze	00	01	02 .	03	04	05	08	07	08	09	1 bot
breakfast milkshakes like Carnation, diet shakes like SlimFast or liquid supplements like Ensure	00	01	02:4; 6:4 6:4 6:4 6:4 6:4 6:4 6:4 6:4 6:4 6:4	03	04	05	08		08:-27	09	1 gl/cn 1 2 gl/cn 2 3 gl/cn 3 4 gl/cn 4
111.Glasses of milk (any kind)	00	01	02 🖓	03	04	05	06	07	08	09	1 gl 1 2 gl 2 3 gl 3 4 gl 4

111a. IF RESPONSE TO BEVERAGE ITEM 111 IS NEVER, CIRCLE 00 AND PROCEED TO BEVERAGE ITEM 112.

When you drink glasses of milk, what kind do you usually drink? (MARK ONLY ONE) Would you say. . .

Whole milk,	
Reduced-fat 2% milk	ζ,
Low-fat 1% milk,	
Non-fat milk,	
Rice milk or	
Soy milk?	

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

B. Each time, did you usually drink (READ PORTION SIZE CHOICES FOR THE BEVERAGE)?

BEVERAGE	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
112.Regular soft drinks, or bottled drinks like Snapple (not diet drinks)	00	01	02	03	04	05	06	07	08	09	1 bot/cn
113.Beer or non- alcoholic beer	00	01	02	03	04	05	06	07	08	09	1 bot/cn

113a. IF RESPONSE TO BEVERAGE ITEM 113 IS NEVER, CIRCLE 00 AND PROCEED TO BEVERAGE ITEM 114.

What kind do you usually drink? (MARK ONLY ONE) Would you say.

Regular beer,	1
Light beer or	2
Non-alcoholic beer?	3

BEVERAGE	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
114.Wine or wine coolers	00	01	02	03	04	05	06	07	08	09	1 gl

SHOW CARD 1 IF RESPONSE TO FOOD ITEM IS NEVER. CIRCLE CODE 00 AND GO TO NEXT FOOD ITEM.

### B. Each time, did you usually drink (READ PORTION SIZE CHOICES FOR THE BEVERAGE)?

BEVERAGE	NEVER	A FEW TIMES PER YR	1 PER MON	2-3 PER MON	1 PER WK	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
115.Liquor or mixed drinks	00	01	02	03	04	05	06	07	08	09	1 dr
116.Glasses of water, tap or bottled	00	01	02	03	04	05	06	07	08	09	1 gl
117.Coffee, regular or decaf	00	01	02	03	04	05	06	07	08	09	1 c

117a. IF RESPONSE TO BEVERAGE ITEM 117 (COFFEE) IS NEVER, GO TO 118.

Do you usually add to your coffee. . . (MARK ONLY ONE)

Cream or half & half,	1
Nondairy creamer,	2
Milk or	3
None of these?	٥

117b. How many teaspoons of sugar or honey do you usually put in each cup of coffee? Would you say. . .

Nana	
None,	(
1,	1
2;	2
3-4 or	
5 or more?	_

A. How often d	lid you di	rink (BEV	ŒRAGE	E) in the	past yea	ar?					
SHOW CARD 1		SPONSE FOOD I	_	OD ITE	M IS NE	VER, CI	RCLE C	ODE 00	AND GO	ТО	
B. Each time, o	did you u	isually dr	ink (RE/	AD POF	RTION S	IZE CHC	ICES F	OR THE	BEVER	AGE)?	
BEVERAGE	NEVER	A FEW TIMES PER YR	1 PER	2-3 PER MON	1 PER	2 PER WK	3-4 PER WK	5-6 PER WK	EVERY DAY	2+ PER DAY	PORTION SIZE EACH TIME
118.Tea or iced tea ( <u>not</u> herb teas)	00	01	02	03	04	05	06	07	08	09	1 c
118a. IF RESPO							R, GO 1	ΓΟ 119.			
			ı	Nondair	or half & y cream	er,			2		
			•		these?.						
118b. How mar	ny teaspo	oons of s	ugar or	honey o	do you us	sually pu	in each	cup of	tea? Wo	uld you	say
			:	1, 2,					1		
					re?						
119. During the p											_

Now I will ask you specifically about multiple vitamins. We will be using these two cards in answering questions about vitamins and mineral supplement use [SHOW CARDS 2A AND 2B]. Using the category on this card [SHOW CARD 2A], please tell me. . .

A. How often did you take (VITAMIN TYPE)?

SHOW CARD 2A IF RESPONSE TO VITAMIN TYPE IS DIDN'T TAKE, CIRCLE CODE 0 AND GO TO NEXT VITAMIN TYPE.

B. How many years did you take (VITAMIN TYPE)?

SHOW CARD 2B

				Α.						).		
	VITAMIN TYPE	DIDN'T TAKE	A FEW DAYS PER MONTH	1-3 DAYS PER WEEK	4-6 DAYS PER WEEK	EVERY DAY	LESS THAN 1 YR	1 YR	2 YRS	3-4 YRS	5-9 YRS	10+ YRS
120.	Regular Once-A-Day, Centrum or Thera type	0	1	2	3	4	01	02	03	04	05	06
121.	Stress-tabs or B-Complex type	0	1	2	3	4	01	02	03	04	05	06
122.	Antioxidant combination type	0	1	2	3	4	01	02	03	04	05	06

123. IF RESPONSE TO Q120 (REGULAR ONCE-A-DAY, CENTRUM, OR THERATYPE MULTIPLE VITAMINS) IS DIDN'T TAKE, GO TO 124.

When you took Once-a-day, Centrum or Thera-type multiple vitamins, did you usually take types that . . .

Contain minerals such as, iron,	
zinc, etc. or	1
Do not contain minerals?	2
, pk	8

Now I will ask you specifically about single vitamins that are <u>not</u> part of a multiple vitamin.

A. How often did you take (VITAMIN TYPE)?

SHOW CARD 2A IF RESPONSE TO VITAMIN TYPE IS DIDN'T TAKE. CIRCLE CODE 0 AND GO TO NEXT VITAMIN TYPE.

B. For how many years did you take (VITAMIN TYPE)?

SHOW CARD 2B

	VITAMIN TYPE	DIDN'T TAKE	A FEW DAYS PER MONTH	1-3 DAYS PER WEEK	4-6 DAYS PER WEEK	EVERY DAY	LESS THAN 1 YR	1 YR	2 YRS	3-4 YRS	5-9 YRS	10+ YRS
124.	Vitamin A (not beta-carotene)	0	1	2	3	4	01	02	03	04	05	06
125.	Beta-carotene	0	1	2	3	4	01	02	03	04	05	06
126.	Vitamin C	0	1	2	3	4	01	02	03	04	05	06

126a. IF RESPONSE TO Q126 (VITAMIN C) IS DIDN'T TAKE, GO TO 127.

How many milligrams of vitamin C did you usually take, on the days you took it? Would you say. . .

100,	01
250,	
500,	03
750,	04
1000,	05
1500,	
2000 or	07
3000 or more?	08
DK	

A. How often did you take (VITAMIN TYPE)?

SHOW CARD 2A IF RESPONSE TO VITAMIN TYPE IS DIDN'T TAKE, CIRCLE CODE 0 AND GO TO NEXT VITAMIN TYPE.

B. For how many years did you take (VITAMIN TYPE)?

SHOW CARD 2B

		A FEW	1-3	4-6						-	
		DAYS	DAYS	DAYS		LESS					
	DIDN'T	PER	PER	PER	EVERY	THAN 1	1	2	3-4	5-9	10+
VITAMIN TYPE	TAKE	MONTH	WEEK	WEEK	DAY	YR	YR	YRS	YRS	YRS	YRS
127. Vitamin E	0	1	2	3	4	01	02	03	04	05	06

127a. IF RESPONSE TO Q127 (VITAMIN E) IS DIDN'T TAKE, GO TO QUESTION 128.

How many IUs of vitamin E did you usually take, on the days you took it? Would you say. . .

100,	01
200,	02
300,	03
400,	04
600,	05
800,	06
1000 or	07
2000 or more?	08
DK	98

	VITAMIN TYPE	DIDN'T	A FEW DAYS PER MONTH	1-3 DAYS PER WEEK	4-6 DAYS PER WEEK	EVERY DAY	YR	1 YR	2 YRS	3-4 YRS	5-9 YRS	10+ YRS
128.	Folic acid or folate	0	1	2	3	4	01	02	03	04	05	06
129.	Calcium, alone or combined with something else	0	4	2	3	4	01	02	03	04	05	06
130.	Zinc, alone or combined with something else	0	1	2	3	4	01	02	03	04	05	06
131.	Iron	0	1	2	3	4	01	02	03	04	05	06
132.	Selenium	0	1	2	3	4	01	02	03	04	05	06

Did you take any of these supplements at least once a month? (READ) CIRCLE ALL THAT APPLY

Ginkgo	01
Ginseng	02
St. John's Wort	
Kava Kava	04
Echinacea	05
Melatonin	
DHEA	07
Glucosamine or Chondroitin	08
Something else	96
NONE OF THESE	

Finally, I would like to ask you a few general questions about what you eat. Using the categories on this card, please tell me.

A. In the past year . . .

SHOW CARD 3

		LESS THAN ONCE PER		3-4 PER	5-6 PER	1 PER	1 1/2 PER	2 PER	3 PER	4+ PER
		WEEK	WEEK	WEEK	WEEK	DAY	DAY	DAY	DAY	DAY
134.	About now many servings of vegetables did you eat, per day or per week, not counting salad or potatoes?	01	02	03	04	05	06	07	08	09
135.	About how many servings of fruit did you eat, not counting juices?	01	02	03	04	05	06	07	08	09
136.	How often did you eat cold cereal?	01	02	03	04	05	06	07	08	09
137.	How often did you use fat or oil in cooking?	01	02	03	04	05	06	07	08	09

What kinds of fat or oil did you <u>usually</u> use in cooking in the past year? (READ CHOICES TO RESPONDENT)
MARK ONLY ONE OR TWO

Stick margarine	02
0-64 × 1.54	
Soft tub margarine	03
Butter	
Butter/margarine blend	05
Low-fat margarine	06
Corn oil or vegetable oil	
Olive oil or canola oil	
Lard, fatback or bacon fat	09
Crisco	10

#### **READ TO RESPONDENT:**

That completes our dietary interview.

Thank you very much for taking the time to complete this interview today. You have made a valuable contribution to our research.

REMEMBER TO RECORD END TIME ON THE COVER.

Appendix C
Epidemiology Questionnaire

### DIET, GENETIC POLYMORPHISMS AND BREAST CANCER

IN

### AFRICAN-AMERICAN WOMEN QUESTIONNAIRE

Respondent ID number:	
Today's date:	///
Interviewer ID:	<del></del>
Start time:/HR MIN	am1 pm2
End time:/ HR MIN	am1

#### **READ TO RESPONDENT:**

The interview that we will conduct at this time will examine various lifestyle factors and demographic characteristics. Please answer each question to the best of your ability. All your answers are confidential and will be used for research purposes only. The interview will take approximately 30 minutes to complete. Do you have any questions before we begin?

Principal Investigators: Lucile L. Adams-Campbell, Ph.D Principal Investigator Howard University Cancer Center Washington, DC Consultant:
Peter G. Shields, MD
Laboratory of Human Carcinogenesis
Division of Basic Sciences
National Cancer Institute
Bethesda, MD

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		1. IDENTI	FIER SHEET	
1.1	What is your name:	First	Middle	Last
1.2	What is your date of	f birth://		
.3	What is your curren	t address:		-
	Street		Apt. No.	
	City		State	Zip code
1.4	What is your telepho	one number:		
.5	What is your social s	security number:		
1.6	can help us contact y	ldress and telephone i you in the future, or y	number of a person our next-of-kin:	(not living in your home)
	Name			
	Street		Apt. No.	· <del></del>
	City		State	Zip Code
	Teleph	one Number		

		2. 1	MEDIC	AL HIS	STOR	Y			
I wou	ald like to start by asking you so	ome qu	estions	about y	our me	dical his	tory and	d your hea	lth.
2.1 As an adult, currently or in the past, what serious illnesses or other health prohad. By serious I mean anything that made you stay overnight in a h medicines for more than 6 months?								th problem n a hospi	ns have you tal or take
	What was the problem?	At v	vhat age n?	did it		ou still it now?	Whe	en did it ?	
2.2	Has a doctor ever told you condition and the age it was				the fol	lowing o	condition	ons? If ye	s, mark the
	CONDITION	s jusi (	NO	YES	<30	_	AGE 40-49	50+	
High	a blood pressure (not during pregn	ancy)							1
Diab	etes (not during pregnancy)								
High	Cholesterol								
Hear	t attack								
Ang	ina (chest pain)								
Strol	ke (CVA)								
Bloc	nd clot in lungs or legs			_			_		

		NO	YES	-20	A(		<b>70</b> .
CONDITION			TES	<30	30-39	40-49	50+
Cyst in breast							
Was it confirmed by biopsy?	•						
Fibroids in womb						<u> </u>	
Endometriosis							
Lupus							
Sickle cell anemia							
Breast cancer							
Lung cancer							
Colon or rectal cancer							
Cervical Cancer							
Other serious illness							
2.3 When was your <i>last</i> visit to yourself?	a doct	or, nurs	e practit	ioner,	clinic or	hospit	al for healt
less than 1 year ago 1-2 years ago 3-4 years ago	1 2 3		5-9 yea 10 or n		ears ago		<b>4 5</b>
2.4 When was your blood pres	sure <i>la</i>	st check	ed by a	healt <u>h</u>	care wo	orker?	
Never had it checked		1	3-4 ye			4	
less than 1 year ago		2	5-9 ye			5	
1-2 years ago		3	10 or n	ore ye	ars ago	6	

2.5	When was your last mammogram? [IF NEVER: skip to Question 2.7]
-----	--

Never had one	1	3-4 years ago	4
less than 1 year ago	2	5 or more years ago	5
1-2 years ago	3		

#### 2.6 How old were you when you had your first mammogram?

Never had one	1	45-49 years	4
less than 40 years	2	50 or more years	5
40-44 years	3		

#### 2.7 In the past year, how many months did you practice breast self-examination?

none	1	4 - 6	4
1	2	7 - 11	5
2 - 3	3	12	6

#### 2.8 When was your *last* pap smear?

never had one	1
less than 1 year ago	2
1 - 2 years ago	3
3 - 4 years ago	4
5 or more years ago	5

#### 2.9 Did you ever have a D & C? (a scraping or cleaning out of your womb)

Yes	1
No> <b>Go to Question 2.11</b>	2

### 2.10 IF YES: What was your age at your last D & C?

Less than 30	1	40 - 44	4
30 - 34	2	45 -49	5
35 -39	3	50 or more	6

2.11	What is your current weight?	lbs	
2.12	What was your weight at age 18?	lbs	
2.13	What was your weight at age 21?	lbs	
2.14	What was your weight at age 30?	lbs	N/A
2.13	How tall are you?	_feet inches	
	*	* * * * *	
For cl	inc use only		
	height:feetinches		
	weight:lbs		
	waist:cm		
	hips: cm		

### 3. MENSTRUAL AND REPRODUCTIVE HISTORY

The next set of questions are about your menstrual and reproductive history.

### 3.1 How old were you when your menstrual periods began?

9 or less	1	13	5	17 or more	9
10	2	14	6	never had	10
11	3	15	7		-
12	4	16	8		

#### 3.2 At what age did your menstrual periods become regular?

9 or less	1	13	5	17 or more	9
10	2	14	6	never had	10
11	3	15	7		
12	4	16	8		

#### 3.3 How many times have you been pregnant?

	Pregnancy number:											
	1	2	3	4	5	6	7	8	9	10	11	12
3.4 How old were when you becam	e pi	regn	ant'	?		<del></del>						
Age												
3.5 What happened to each of those pregnancies?												
Single live birth												
Multiple live birth, any living												
Multiple live birth, none living												
Stillbirth												
Miscarriage												
Induced Abortion												

3.5 (continued)	Pr	egna	incy	nu	mbe	r:						
	l	2	3	4	5	6	7	8	9	10	11	12
Ectopic or tubal												
Molar												
Currently pregnant												
Other (specify)												
3.6 Did you breast feed any of these	e ba	bies	for	at le	east	two	wee	ks c	r lo	nger	?	
Yes 1 No 2												

	Y N	es 1 0 2											
3.7	Have you had a n	nenstrual period in the	last 6 v	veek	s?								
	Yes 1 No 2	> Go to Que	stion 4	.6									
3.8	Has a doctor or or change of life?	her health professional	told yo	u th	at y	ou h	ad o	om <sub>j</sub>	plete	ed m	enop	ause	or the
	Yes No	1 2> <b>Go</b>	to Qu	estio	n 4.	1							
3.9	At what age was	your <i>last</i> menstrual per	iod?			-							
3.10	What was the rea	son that your menstrus	ıl perio	ods s	topj	ped?	•		·				
	MENO	Change of life or nat		-	ause	2			>	· Go	to Q	uesti	on 4.1
	HYSW	Hysterectomy, still h						2	•				
	HYSO	Hysterectomy, ovari	es rem	oved				3					

MENO	Change of life or natural Menopause	1> Go to Question 4.1
HYSW	Hysterectomy, still has ovaries	2
HYSO	Hysterectomy, ovaries removed	3
HYS1	Hysterectomy, one ovary	4
PREG	Currently pregnant	5
HORMF	Taking female hormones	6
OTHER	Other reason (specify:)	7

3.11	If your periods stopped because of surger	y, what was removed? (Mark <u>all</u> that ap	ply)
	womb (uterus) removed	1	٠
	both ovaries removed	2	
	l ovary removed	3	
	don't know if ovaries removed	4	
3.12	If you had surgery, what was the reason?	(Mark <u>all</u> that apply)	
	fibroids in womb	1	
	endometriosis	2	
	bleeding from womb	3	

<u> </u>		4. MEDIC	ATION HISTORY	
Now	I will ask you some questions	about your m	nedication history.	
4.1	Have you ever used replace pills, injections, or patches		le hormones (like estr	ogen) for menopause (include
	Yes No> <b>Go</b>	to Question 4	1 4.6 2	-
4.2	IF YES: When did you las	t take them?		
	still taking them less than 1 year ago 1 - 2 years ago 3 or more years ago	1 2 3 4		
4.3	How many years did you t	ake them?		
	less than 1 year 1 year 2 years 3 - 4 years	1 2 3 4	<ul><li>5 - 6 years</li><li>7 - 9 years</li><li>10 - 14 years</li><li>15 or more years</li></ul>	5 6 7 8
4.4	What did you use most rec	ently?		
	Premarin or other es Progesterone (Prove Estrogen and proges Patch estrogen and p Estrogen vaginal cre	ra, etc.) pills a terone togethe progesterone	alone 2	
	Name of Medication			
4.5	If you used progesterone,	what was you	ır pattern of use?	
	used continuously (eused 2 - 3 weeks eac			1 2

used less than 2 weeks each month other patter of use ----->

4.6 Do you currently take any of the following medications at least 3 days a week?

ASPIRIN (Anacin, Bayer, Excedrin, Yes> For how long>	less than 1 yr.	
No	1 yr. 2 yrs.	5 or more yrs.
ACETOMINOPHEN (Tylenol, Anac	in-3. Panadol, etc.)	
Yes> For how long>		3 - 4 yrs.
	1 yr.	5 or more yrs.
No	2 yrs.	5 of more yrs.
110	2 yis.	
Water pills for high blood pressure o	r other reasons (Diu	ril. Hydrodiuril. etc)
Yes> For how long>		
	l yr.	5 or more yrs.
No	2 yrs.	5 or more yrs.
110	2 yis.	
Other blood pressure medication (Va	sotec, Minipres, Cala	an. etc.)
Yes> For how long>		
	1 yr.	5 or more yrs.
No	<del></del>	5 of more yrs.
10	2 yrs.	
Insulin		
Yes> For how long>	less than 1 vr	3 - 4 yrs.
res res in new long		
No	1 yr.	5 or more yrs.
140	2 yrs.	
Pills for diabetes		
Yes> For how long>	less than 1 vr	3 - 4 yrs.
ros now long		
No	1 yr.	5 or more yrs.
No	2 yrs.	
List any other medications (including at least 3 days a week (except vitamin		ou are currently using

_	D. 1444 1444 0000	
5.	FAMILY HISTORY	

Now I would like to ask you some questions about whether there has been any cancer in your family.

5.1 Has anyone in your family that is related to you by blood, ever been told they have cancer, include children, parents, grandparents, brothers, sisters or immediate aunts or uncles?

Yes 1 No -----> **Go to Question 6.1** 2

5.2 IF YES: Please list below those relatives who have had cancer. (Please indicate maternal or paternal relative)								
Which relative?	First name	What type of cancer?	Age at diagnosis					
No. of the second secon								

		6. T(	OBACCO HI	ISTORY	
Now	I would like to ask yo	u about smoking.			
6.1	Have you ever smo	ked one cigaret	te or more ev	eryday for at least a year?	
	Yes, I smok		1		
		o longer smoke Go to question	6.10 <sup>2</sup> 3	[Disregard Section 7]	
6.2	At what age did y	ou start to smok	e regularly?		
	14 or less	1	18	5	
	15	2	19	6	
	16	3	20	7	
	17	4	21 or more	8	
6.3	Have you increase	d or decreased y	our amount	of cigarette smoking in the la	st 3 months?
	Yes 1 No 2				
6.4	How many cigaret	tes have you smo	ked in the la	ast 48 hours?	
6.5	How many cigaret	tes have you smo	ked in the la	st 1 hour?	
6.6	In the <i>first</i> few yea	rs that you smok	ked, how mai	ny cigarettes did you smoke e	ach day?
	less than 5	1	25-34	4	
	5-14	2	35-44	5	
	15-24		45 or more	6	
		<del>-</del>			

<b>6.7</b>	In the last few year	s that you sn	noked, how ma	ny cigarettes	did you smoke e	each day?
	less than 5	1	25-34	4		
	5-14	2	35-44	5		
	15-24	3	45 or more	6		
6.8	If you have stopped	d smoking, w	hen did you st	op?		
	less than 1 y	ear ago 1	3-4	years ago	4	
	1 year ago	2	5-9	years ago	5	
	2 years ago	3	10 c	or more years a	igo 6	
			N/A	; still smoking	g 7	
6.9	How many years h	ave you been	smoking or di	d you smoke	in the past?	
	Less than 10	1	20-24	4		
	10-14	2	25-29	5		
	15-19	3	30 or more	6		
6.10	Have you ever smo	ked cigars on	a daily basis	for more than	6 months?	
	Yes, I smoke	currently		1		
	Yes, but I no	longer smoke	•	2		
	No>	Go to question	on 6.15	3		
6.11	At what age did yo	u begin to sm	oke cigars?			
6.12	How many cigars d	lo you usualiy	smoke in a da	ay, week, or n	nonth?	
	Number	Day	/ Week / Mont	<del>h</del>		
6.13	How many cigars h	ave you smol	ked in the last	48 hours?		

6.14	Have you in	creased or decrea	ised your level of	cigar smoking in the	last 3 months?
	Yes No				
6.15	In your hom smoke cigar		s or did anyone (e	.g., husband, partne	r, children, parent, etc.
	Yes				-
	No	2> Go to	o question 7.1		
6.16	How many p	people smoke in y	our home?	_	
6.17	Who smoke	s in your home?			
				***************************************	
			•		<del></del>
			•		
	<u> </u>				

	7	. NICOT	INE DEPENDENCE		
[Plea	se note: if the answer to 6.1 i	s NO disrego	ard this section.]		
Now	I will ask you some questions	s to examine	your nicotine dependenc	e.	
7.1	How soon after you wake	up do you s	moke your first cigaret	te?	
	Within 5 minutes 6- 30 minutes	3 2	31-60 minutes 1 After 60 minutes	0	
7.2	Do you find it difficult to church, at the library, in			where it is forl	oidden (e.g., in
	Yes 1 No 0				
7.3	Which cigarette would yo	u hate most	to give up?		
	The first one in the	morning	1		
	All others	,	0		
7.4	How many cigarettes/day	do you smo	ke?		
	10 or less	0	21-30	2	
	11-20	1	31 or more	3	
7.5	Do you smoke more freque the day?	ently durin	g the first hours after w	aking than du	ring the rest of
	Yes 1 No 0				
7.6	Do you smoke if you are s	o ill that you	u are in bed most of the	day?	

Yes 1 No

0

8.	AL	$\mathbf{CO}$	HO	LH	IST	<b>ORY</b>
----	----	---------------	----	----	-----	------------

Now I would like to ask you some questions about consumption of alcoholic beverages.

8.1 Did you ever drink alcoholic beverages (beer, wine, wine cooler, or liquor) at least once a week for at least a year?

Yes, I drink currently 1
Yes, but I no longer drink 2
No -----> Go to Question 8.5 3

8.2 IF YES: At what age did you start to drink alcoholic beverages regularly?

less than 15 1 25 - 29 4 15 - 19 2 30 or more 5 20 - 24 3

8.3 In the *first few* years that you drank alcoholic beverages, how many drinks did you have each week (1 drink equals 1 beer, 1 glass of wine or wine cooler, or 1 shot of liquor)?

less than 1	1	14 - 20	5
1 - 3	2	21 - 27	6
4 - 6	3	28 or more	7
7 - 13	4		

8.4 How many years have been drinking or did you drink in the past?

less than 10 1 20 - 24 4 10 - 14 2 25 - 29 5 15 - 19 3 30 or more 6

8.5 In the past year, how many drinks of beer, wine, (or wine cooler) and liquor did you drink?

Number of drinks per week	Beer (12 oz)	Wine (4 oz)	Liquor (1 shot)
None			
less than 1			
1 - 3			
4 - 6			
7 - 13			
14 - 20			
21 or more			

8.6 Have you had any alcoholic beverages such as beer, wine or liquor in the last 7 days?

8.7 IF YES: Please complete the following table

Number of drinks per week in the last 7 days.	Beer (12 oz)	Wine (4 oz)	Liquor (1 shot)
None			
less than 1			
1 - 3			
4 - 6			
7 - 13			
14 - 20			
21 or more			

#### 9. PHYSICAL ACTIVITY

Now I would like to discuss physical activity.

### 9.1 On average, during the past year, how many hours each day did you spend:

	None	less than 1 hour	1 - 2 hours	3 - 4 hours	5 or more hrs.
Sitting in a car or bus					
Sitting at work / school					
Watching television					
Sitting at meals					
Other sitting					
Walking at work / school					
Walking to or from work / school					

### 9.2 On average, during the past year, how many hours each day did you spend:

	None	less than 1 hour	l hour	2 hours	3 - 4 hours	5 - 6 hours	7 - 9 hours	10 or more hours
Walking for exercise								
Moderate activity (such as housework, gardening, bowling)								

9.3 On average, at each of the following times, how many hours each <u>week</u> did you participate in strenuous physical activity (such as basketball, swimming, running, aerobics)?

	None	less than 1 hour	1 hour	2 hours	3 - 4 hours	5 - 6 hours	7 - 9 hours	10 or more hours
In the past year								
During high school		,						
At around age 21								
At around age 30								
At around age 40								

N/A = not applicable

9.4 Tell me about the kinds of activities you do in hours per week:								
	In the last 7 days	One year ago	At age 40	At age 20				
Walking								
Jogging/running								
Lap swimming			-					
Tennis or racquetball								
Bicycling or stationary bike								
Aerobics/calisthenics								
Dancing								
Weight lifting								
Gardening, mowing, planting	-							
Heavy housework, vacuuming								
Light house work								
Sitting, (reading, watching TV)								

N/A - not applicable

	10. D	EMO	GRAPHIC INFORMATION	
Lastly	, I would like to ask you some	genera	l questions about your demographics	3.
10.1	What is your current age:		vrs.	
10.2	What is your race/ethnicity:	:		
	Black or African American	1	American Indian / Alaskan Native	•
	White	2	Asian / Pacific Islander	5
	Hispanic	3	Other	6
10.3	What is your marital status	?		
	Single, never married		1	
	Married		2	
	Divorced		3	
	Separated		4	
	Widowed		5	
	Has a partner, living as marrie	ed	6	
10.4	What was the highest level of	of educ	cation that you completed:	
	Didn't go to school		1	
	Grade School (1-4 years)		2	
	Grade School (5-8 years) Some high school (9-11 years)	3	2 3 4 5	
	High School diploma or GED	)	5	
	Vocational or training school	after h	igh school graduation 6	
	Some college or Associate De		egree 7	
	College graduate or Bacclaure Some College or Professional	schoo		
	Master's Degree Doctoral Degree (Ph.D., MD,		10	
10.5	Which category or categoric (Mark all that apply)	ies bes	t describe how you usually pay fo	or your medical care
	Private insurance (e.g., Blue (	Cross/E	· · · · · · · · · · · · · · · · · · ·	
	Prepaid Private Insurance (e.g	-	· · · · · · · · · · · · · · · · · · ·	
	Medicaid (e.g., medical assist	ance, _		
	No insurance		4	

Other: \_\_\_

What is your current level of household income per year? [Show the categories]

10.6

	Less than \$10,000 \$10,000-30,000 \$30,000-60,000 \$60,000-90,000 Greater than \$90,000	1 2 3 4 5		_	
10.7	How many people are	currently supported	in your household?	<del></del>	
		·			
			·		
CLOSI				our help with this study. We formation you have provided	
Time e	nded: A	M M			

#### 11. INTERVIEWER REMARKS

#### 11.1 Interview was conducted:

Home		1
Hospital - inpatient		2
Hospital - outpatient		3
Non-residential, non-hospital location	on	4
Other (specify:	)	5

#### 11.2 Respondants cooperation was:

Very good	1
Good	2
Fair	3
Poor	4

The	quality of the information in each section of the int	erview wa	s:		
		Very Good	Good	Fair	Poor
1	IDENTIFIER SHEET				
2	MEDICAL HISTORY				
3	MENSTRUAL & REPRODUCTIVE HISTORY				
4	MEDICATION HISTORY				
5	FAMILY HISTORY				
6	TOBACCO HISTORY				
7	NICOTINE DEPENDENCE				
8	ALCOHOL HISTORY				
9	PHYSICAL ACTIVITY				
10	DEMOGRAPHIC INFORMATION				
11	INTERVIEWER REMARKS				
12	MEDICAL RECORD ABSTRACTION FOR CASES				

11.3	The overall quality	of the	interview was:
	Very good	1	
	Good	2 3	
	Fair	3	
	Poor	4	
11.4	The main reason fo	r fair c	or poor quality of information was because the respondent:
		1	Did not know enough information regarding the topics
		2	Did not want to be more specific
		3	Did not understand or speak English well
		4	Was upset or depressed
		5	Had poor hearing or speech
		6	Was confused by frequent interruptions
		7	Was emotionally unstable
,		8	Reserved
		9	Was physically ill
		10	Other specify:
			•
Revie	wers' initials:		

	12. MEDICAL	RECORD ABSTRACT FOR CASES ONLY
12.1	Name of medical record abs	tractor:
12.2	Date of medical record abstr	ract://
12.3	Name of Hospital:	
2.4	Medical Record Number:	
2.5	Admission Date for this hosp	pitalization://
12.6	Discharge date for this hospi	italization://
12.7	Date of Birth:/_	/
2.8	Marital status:	_ Married 1
		Widowed 2
		Legally divorced 3 Separated 4
		Never married 5
		Doesn't know 6
		Unavailable - Specify why but do not code:
2.9	Discharge Diagnoses: (from o source, but do not code)	discharge summary, if not available then state
	Diagno	osis ICD Code
		. 1

12.10 Previous medical diagnoses recorded in history of present illness:

Diagnosis	ICD Code

				-
12.11	Name of this surgery:			
12.12	Operative Findings:		770000000000000000000000000000000000000	
12.13	Type of Anesthesia:	-		
12.14	Medications administer	ed during surgery	and in recovery:	

12.15	Medicines listed at time of	admission from	m history of present illness:
			-
12.16			blood draw for study: (if surgery was within 48 given in hospital plus medicines listed at time of
	,		
		W	
12.17	Blood Group:		
12.18	Weight upon admission:	lbs	
12.19	Height upon admission:	feet	inches
12.20	Subject smoke cigarettes:	Yes	1
	· ·	No	2> Go to Question 12.22
		Unavailable	3
12.21	If a smoker, then what info	ormation is ava	ilable (pack years, number of years, etc.):
12.22	Subject drinks alcohol:	Yes	1 2 Co to Question 12.24
		NIA.	> I's to I magtism 17.74

Unavailable 3

Sub				
	ject use illicit or	· illegal d	rugs:	
	Yes No Unavailable		> Go to Question 12	- 2.26
if s	ubject uses illicit	or illega	ıl drugs, then what infor	mation is available:
Fai	mily history of c	ancer:		
	Yes	1		
	No Unavailable		> Go to Question 12	2.28
' IF Y	Unavailable	3	> Go to Question 12 s noted to have cancer?	2.28
' IF Y	Unavailable	3 e family is		Age at diagnosis
' IF Y	Unavailable YES: Who in the	3 e family is	s noted to have cancer?	
' IF Y	Unavailable YES: Who in the	3 e family is	s noted to have cancer?	
' IF Y	Unavailable YES: Who in the	3 e family is	s noted to have cancer?	